

BUBNOV, I.A.; KREMP, A.I.; FOLIMONOV, S.I.

[Military topography; textbook for military institutes of the U.S.S.R.
Armed Forces] Voennaia topografiia; uchebnik dlia voennykh uchilishch
vooruzhennykh sil Soiuza SSR. Izd.3., ispr.1 dop. Moskva, Voen.izd-vo,
1947. 317 p. (MLRA 6:10)

1. Russia (1923- U.S.S.R.) Armiya. General'nyi shtab. Voyenno-topografi-
cheskoye upravleniye. (Military topography)

BUBNOV, I.A., polkovnik; KREMENOV, A.I., inzh.-polkovnik; FOLIMONOV, S.I., polkovnik v otstavke; KUDRYAVTSEV, M.K., general-leytenant tekhn. voyak, red.; Gnedovets, P.P., polkovnik, red.; SALYAYEV, S.A., inzh.-podpolkovnik; STREL'NIKOVA, M.A., tekhn. red.

[Military topography; manual for military schools of the Soviet Army] Voennaia topografiia; uchebnik dlja voennykh uchilishch Sovetskoi Armii. Izd.4., perer. i dop. Moskva, Voen.izd-vo M-va oborony SSSR, 1953. 411 p. (MIRA 15:7)
(Military topography)

- KREMP, A-1 -

3(4)

PHASE I BOOK EXPLOITATION

SOV/2185

Bubnov, Il'ya Alekseyevich, Major General of the Technical Corps, Adrian Ivan-
ovich Kremp, Engineer, Colonel, and Sergey Ivanovich Folimonov, Colonel.

Voyennaya topografiya; uchebnik dlya voyennykh uchilishch Sovetskoy Armii
(Military Topography; a Textbook for Soviet Army Schools) 5th ed.,
rev. and enl. Moscow, Voenizdat, 1958. 375 p. No of copies printed not
given.

Ed. (Title page): Il'ya Alekseyevich Bubnov, Major General of the Technical Corps;
Ed. (Inside book): M. P. Dukachev, Lt. Colonel; Tech. Ed.: G. F. Sokolova.

PURPOSE: This textbook on military topography is intended for students in Soviet
Army Schools.

COVERAGE: The text is a detailed course in military topography from the stand-
point of preparing officers and men for the proper utilization of maps and ter-
rain under battle conditions. It explains the characteristics of the various
types of terrain which a soldier may encounter and how they are portrayed on

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Military Topography (Cont.)

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maps and plans. It also explains the essentials of topographic maps and methods of orientation. Simple methods of measuring, estimating and sketching that are available at the front are thoroughly discussed. Some of the chapters included explain serial photography, photo interpretation, visual surveys, terrain reconnaissance, sketching the front line situation, and others. In the appendix are sample topographic maps of the USSR and other countries; however, the Soviet maps were checked and found to be of non-existent regions. The authors thank Lieutenant-General of Technical Troops M. K. Kudryavtsev, Colonels A. F. Borovyy, N. P. Lavrov, I. I. Gostev, P. I. Polishchushchenko, V. B. Florent'yev, Engineer-Colonel S. A. Salyayev, Lieutenant-Colonels F. V. Brichnik, and Ye. S. Volkov. They further thank Lieutenant-Colonels P. N. Knysh, S. V. Dronov, and Captain A. S. Vasmut for helping to prepare the cartographic illustrations. No references are given.

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BUBNOV, Il'ya Alekseyevich, general-major tekhnicheskikh voysk v
otstavke; KREMP, Adrian Ivanovich, inzh.-polkovnik v
otstavke; KALININ, Aleksandr Konstantinovich, polkovnik;
SHLENNIKOV, Sergey Aleksandrovich, podpolkovnik; DUKACHEV,
M.P., red.

[Military topography; a textbook for military schools of
the Soviet Army] Voennaia topografiia; uchebnik dlia voen-
nykh uchilishch Sovetskoi Armii. Moskva, Voenizdat, 1964.
349 p. (MIRA 17:7)

KREMPASKY, J.

Tensor of drformation of space and time by motion. p. 12⁴.
MATEMATICKO-FYZIKALNY CASOPIS. (Slovenska akademia vied)
Vol. 5, no. 2, 1955.

SOURCE: East European Accessions Lis , (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

MULLERY, J.

Semiconductors, materials of electric technology. p. 1/6.

Vol. 5, no. 4, Apr. 1956
TECHNICKI PRACE
Bratislava, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 3, August 1956

Krempasky, Julius

CZECHOSLOVAKIA/Physical Chemistry - Crystals.

B-5

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3666.

Author : Julius Krempasky.

Inst :

Title : Admixture Concentration Distribution in Crystal Prepared by
Zonal Melting in Case that Admixture Is Only in First Zone.

Orig Pub: Mat.-fys. casop., 1957, 7, No 1, 7-15.

Abstract: The formulae for calculating the admixture concentration in crystals prepared by zonal melting with an initial admixture only in the first zone were deduced. Concentrations were computed and graphically represented for some cases. Besides the very complicated formulae for exact solution, also approximate formulae are given; the latter are applicable for rapid concentration computation even if the concentrations after the foregoing melting were not known.

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APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00081 10C

CZECHOSLOVAKIA/Electricity - Semiconductors.

G

Abs Jour : Ref Zhur Fizika, No 9, 1959, 20535

Author : Krempasky, Julius

Inst : Physics Faculty of the Slovak Technical College, Czechoslovakia

Title : Silicon as a Semiconductor

Orig Pub : Stroynoelektrotechn. casop., 1958, 9, No 8, 472-283

Abstract : The author describes the physical properties of silicon, pure and containing impurities, and discusses by means of the band theory the electric conductivity of silicon, compared with that of germanium. Data are given on the basis of the latest research on resonance, and the difference between optical and thermal observation of electron conduction is explained. Various methods of preparation of pure silicon are described and evaluated from

Card 1/2

KREMPASKY

CZECHOSLOVAKIA/Electricity - Semiconductors.

G

Abs Jour : Ref Zhur Fizika, No 1, 1960, 1365
Author : Krempasky, Julius
Inst : Physics Faculty of the Slovak Technical College,
Bratislava, Czechoslovakia
Title : Concentration of Free Carriers in Inhomogeneous
Semiconductor with One Type of Conductivity
Orig Pub : Mat.-fyz, casop., 1959, 9, No 1, 19-28
Abstract : Formulas are derived for the equilibrium concentra-
tions of the electrons in an inhomogeneous semicon-
ductor with predominantly n-type conductivity for
the case when current flows in the specimen and for
the case of no current flowing. It is shown that
considerable deviations from the equilibrium concen-
tration, determined by the temperature and concentra-
ti n

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APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0008

CZECHOSLOVAKIA/Electricity - Semiconductors.

G

Abs Jour : Ref Zhur Fizika, No 1, 1960, 1365

of the impurity, can arise only in a semiconductor
with a low concentration of ionized impurity atoms
and with large inhomogeneity, or else in a semi-
conductor with high dielectric constant. The same
holds for the rectifying effect.

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CZECHOSLOVAKIA/Electricity - Semiconductors.

G

Abs Jour : Ref Zhur Fizika, No 4, 1960, 9064

kinetic coefficients of the transitions between the different electron levels. It was shown that at small inhomogeneities and at large values of the intensity of the electric field, the deviations of the non-equilibrium concentrations from equilibrium are slight and in most cases they can be neglected for semiconductors with strong recombination. Therefore the rectifying effect, as shown mathematically, is also very small.
Bibliography, 27 titles.

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100

CZECHOSLOVAKIA/Electricity - Semiconductors.

Abs Jour : Ref Zhur Fizika, No 4, 1960, 9112

Author : Krempasky Julius

Inst : Physics Faculty SVST, Bratislava, Czechoslovakia

Title : Unified Theory of the Production of Volume and Barrier Photo emf in Semiconductors

Orig Pub : Ceskosl. casop. fyz., 1959, 9, No 5, 487-498

Abstract : The author calculates the photo emf of a semiconductor, irradiated in the region in which the concentration of the impurity atoms changes in accordance with a simple exponential law. It is shown that for weak illumination in the case of small inhomogeneities, when the so-called volume photoeffect takes place, the relation obtained coincides with that derived by Tauc (Referat Zhur Fizika 1955, No 11, 24903), and in the case of large inhomogeneities,

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26377

Z/028/60/000/005/001/003
D255/D304

26.1650
26.1512
24.2700

AUTHORS: Krempaský, Július, Candidate of Technical Sciences,
and Macko, Pavol, Engineer

TITLE: Physical foundations for converting radiant energy
into electricity, using semiconductors

PERIODICAL: Pokroky matematiky, fysiky a astronomie, no. 5, 1960,
538 - 562

TEXT: The article describes methods of energy conversion, gives
theoretical data and calculation, using simplified assumptions.
There are 4 types of photoelectric effect according to J. Tauc
(Ref. 4: Čs. Cas. Fys. 5, 1955, 34). The barrier photo-EMF: This
is shown as $U_0 = V_k - V'_k = (E - E')dx$; where V_k is the voltage
when dark, and V'_k is the voltage when light. A.J. Gubanov (Ref. 8:
ZETF 25, 1953, 307) gives the formula

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Physical foundations for ...

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$$U_0 = - \frac{kTg_0L}{eun^{\alpha}E_k(1 + \alpha L)} \left(e^{\frac{eV_k}{kT}} - \frac{eV_k}{kT} - 1 \right) \quad (4)$$

which allows for the inverse square law, assuming that the light absorption is the same over the whole surface of the semiconductor. For a non-barrier EMF, Tauc (Ref. 4: Op.cit.) gives formulae

$$U_0 = - 2kTu_s \tau g d_0 \frac{du}{dx} \quad (6)$$

and

$$U_0 = - \frac{kT}{e} \frac{2}{1+b} \ln \frac{1 + \frac{e(u_n + u_p) \tau g}{\sigma_{aa}}}{1 + \frac{e(u_n + u_p) \tau g}{\sigma_{ab}}} \quad (7)$$

for small and large intensities of light, (n-type semiconductor).

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Physical foundations for ...

The values for U_0 are (approximately) Germanium = 0.7 V and Silicon 1.1 V. For a photocell (semiconductor with ohmic load) calculations give

$$\left| \begin{array}{l} \frac{\partial p}{\partial t} = g_p - \frac{p - p_0}{\tau_p} - \frac{1}{e} \operatorname{div} i_p, \\ \frac{\partial n}{\partial t} = g_n - \frac{n - n_0}{\tau_n} + \frac{1}{e} \operatorname{div} i_n, \end{array} \right.$$

where $i_p = eu_p \left(pE - \frac{kT}{e} \operatorname{grad} p \right)$,

$$i_n = eu_n \left(nE + \frac{kT}{e} \operatorname{grad} n \right),$$

$$\dots i = i_n + i_p,$$

$$\operatorname{div} E = \frac{e'}{e}.$$

(11) 

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Physical foundations for ...

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when the lighting is even, the conditions are much simpler as $\partial n / \partial t = \partial p / \partial t = 0$. From this the photocell with p-n arrangement is calculated by Tauc (Ref. 24: Cs cas fys, 4, 1954, 1958). Measurements are shown for silicon and different degrees of illumination. The theory of the non-barrier photocell has not yet been stated. These cells seem to be not as advantageous as the barrier type. Formulae were established regardless of influences on the efficiency of the photocell. Practically, contact resistances have to be considered. Recombinations both on the surface and in the p-n transfer can seriously affect the volt/ampere characteristics. The results are shown for silicon at various light values and several values for series and parallel resistance. The equivalent of an ideal photocell and a real one are also given. For an ideal cell the resistances are calculated according to W. Pfann (Ref. 36: J. of appl. Phys. 25, 1954, 1422) giving maximum output and efficiency. For the photocell the same optimal resistors, output, and efficiency are required. For the resistor R_Z X

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$$R_s = \frac{kT}{eI_0} e^{-\frac{eU}{kT}} - R_p \quad (31)$$

for the current

$$I_r = \frac{kT}{eR_s} \ln \frac{kT}{eI_0(R_s + R_p)} \quad (32)$$

for the maximal output

$$W_{max} = UI = \frac{k^2 T^2}{e^2} \frac{1}{(R_s + R_p)} \left[\ln \frac{kT}{eI_0(R_s + R_p)} \right]^2 \quad (36) \quad X$$

and for the efficiency

$$\eta = \frac{U^2}{(R_s + R_p)} \frac{e}{eI_r} = \frac{UkT}{eI_0(R_s + R_p)} \ln \frac{kT}{eI_0(R_s + R_p)} \quad (37)$$

Of the semi-conductor materials Si, InSb, GaAs, CdTe, AlSb, InP, GaAs seems to be the ideal one. On the solar battery, in order to determine the working parameters it is essential to know the pho-

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D255/D304

Physical foundations for ...

tocell characteristics, and also the radiation characteristics; for the photocell, it is important to know the total sensitivity, the spectral sensitivity and the spectral characteristics. Different materials will behave differently according to the wavelength. In the Soviet Union these batteries have been used for feeding instruments in artificial satellites. One unit was built to supply a 9 transistor set, 0.3 W for the set and 0.2 for the cooler. The working surface is 36 cm². For atomic batteries, mainly β sources are used (isotopes). Sr⁹⁰ and Y⁹⁰ are currently the most often used ones. So far the best practical efficiencies are: Germanium. 0.5 % and silicon 3 %. Compared with solar batteries the atomic ones have the disadvantage of higher costs, but they operate for 24 hours without interruption. Fig. 19 shows the arrangement for an atomic photocell. There are 19 figures, 1 table and 54 references: 32 Soviet-bloc and 22 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: J.J. Loferski, J. of Appl. Phys. 27, 1956, 777; M.L. Schultz, G.A. Morton, Proc. IRE, 43, 1956, 1819; H.P.R. Frederikse, R.F. Blunt,

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Physical foundations for ... Z/028/60/000/005/001/003
D255/D304

Proc. IRE 43, 1955, 1828; Engineering 419, 1955, 4678.

ASSOCIATION: Katedra fyziky SVŠT Bratislava (Department of Physics,
Slovak Technical University, Bratislava)

X

Card 7/8

KREMPASKY, Julius; MACKOVA, Valeria; SKOCKOVA, Eva

New methods of measuring the thermal conductivity of materials.
Mat fyz cas SAV 11 no.2:146-158 '61.

1. Katedra fyziky, Slovenska vysoka skola technicka, Bratislava,
Gottwaldovo namesti 2.

24,7600

30182
Z/037/62/000/004/003/008
E024/E435

AUTHOR: Krempasky, J.

TITLE: The possibility of using the four-point-probe (Valdes) method for the measurement of the thermal characteristics and of the "Z" parameter of semiconductors

PERIODICAL: Československý časopis pro fysiku, no.4, 1962, 353-362

TEXT: If a hot probe with heat input q is applied to a semi-infinite sample of semiconductor at the time $t = 0$, then the reading of a thermocouple measuring the temperature T at a distance r from the hot probe at the time t permits calculating the thermal conductivity. Due to the inevitable inaccuracy of this method, the author suggests replacement of the one thermocouple by at least two thermocouples or probes, one at r and one at $r + s$ from the hot probe. If $a = \Delta T_1 / \Delta T_2$ is the ratio of the temperature differences between the two probes, i.e. the ratio of the thermal emf's between them, at times t_1 and t_2 , we obtain

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EO24/E435

The possibility of using ...

$$k = \frac{s^2}{t_1} \left[\frac{1}{4\pi} \frac{1 - ab^{3/2}}{1 - a} \right]^{\frac{2}{3}} \quad (9)$$

where $b = t_1/t_2$. Alternatively, k can be derived by measuring the time t_0 required for the emf to reach its maximum value. We obtain, approximately, $k = s^2/6t_0$. The probes must make ohmic contact. An overall accuracy of 3% is easily obtained. By using the four-point-probe method, proposed by L. Valdes (Proc. IRE 42 (1954), 420), it is possible to omit the thermal probe and to use Peltier heating instead. This method is suitable for determining the "Z" parameter

$$Z = \frac{\alpha^2 \sigma}{\lambda} \quad (13)$$

by means of the equation

$$Z = \frac{\alpha^2 \sigma}{\lambda} = AC_{1.2} I_T t_0 \quad (17)$$

where σ - electrical conductivity, A - constant, dependent upon Card 2/3

The possibility of using ...

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E024/E435

geometrical factors only, $C_{1,2}$ - constant. The accuracy achieved is as good as that obtained by more elaborate methods on specially shaped specimens. The method can be extended to thin plates and this will form the subject of a further paper. There are 4 figures.

ASSOCIATION: Katedry fysiky SVŠT, Bratislava
(Department of Physics, SVŠT, Bratislava).

SUBMITTED: October 5, 1961

Card 3/3

24.7700

30046
Z/042/62/000/006/001/003
E024/E435

AUTHOR: Krempasky, Július, Candidate of Sciences, Industrial Physicist

TITLE: Measurement of inhomogeneities in semiconductors by the photoelectric method

PERIODICAL: Elektrotechnický časopis, no.6, 1962, 335-342

TEXT: It is often important to know the conductivity of a semiconductor as a function of distance along the specimen. Resistivity measurements are not very sensitive for detecting small inhomogeneities and H.Frank (Cs. čas. fys., 9 (1959)) proposed using the photo-emf method. When a semiconductor containing an internal electric field is illuminated, an emf is generated. The theory of the volume photo-emf, on the assumption that the inhomogeneities are linear, was presented by J.Tauc (Cs. čas. fys., 5 (1955), 34). The mechanism of formation of inhomogeneities suggests an exponential relation. Therefore, in an earlier paper, the author derived an exponential relation for the inhomogeneities which has a general validity. We assume an inhomogeneity between $x = 0$ and $x = L$, such that the conductivity is $\sigma_t = \sigma_0 e^{ax}$ (2)

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Measurement of inhomogeneities ...

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E024/E435

where a is, by this definition, the coefficient of inhomogeneity. For $aL < 1$ we obtain

$$V_s = 2 \frac{kT}{e} \frac{\Delta\sigma}{\bar{\sigma}_t(1+b)} aL \quad (6)$$

where $\bar{\sigma}_t$ is the average conductivity between 0 and L and $\Delta\sigma$ is the photoconductance. The other symbols have their usual meaning. Instead of measuring all the quantities in Eq.(6), we compensate V_s by an ohmic current $I = -V_s/\Delta R$, where ΔR is the resistance of the specimen between $x = 0$ and $x = L$. We then obtain

$$a = \frac{1}{2} \sqrt{\frac{e}{kT} \frac{i}{L\bar{\sigma}_t} (1+b)} = C \sqrt{\frac{i}{L\bar{\sigma}_t}} \quad (9)$$

where i is the current density. The instrument consists of a holder with two end contacts for the specimen and two tungsten probes separated by 1 to 2 mm. First $\bar{\sigma}_t$ between the probes is Card 2/3

Measurement of inhomogeneities ...

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measured in the usual manner, then the area under the probes is illuminated with suitably filtered and chopped light and the emf between the probes is amplified. Following that the current, flowing through the probes from an external source, is adjusted until the emf is minimized and thus the required i is obtained. Due to the contact emf, it is not always possible to reduce the emf to zero. The probes can be moved along the specimen and thus a plot of conductivity against distance can be obtained. There are 5 figures.

ASSOCIATION: Katedra fyziky SVŠT, Bratislava
(Department of Physics SVŠT, Bratislava)

SUBMITTED: November 13, 1961

Card 3/3

KREMPASKY, Julius

Electric probes for measurement of thermal parameters of liquids and soft materials. Mat fyz cas SAV 14 no.3:236-251 '64.

1. Chair of Physics of the Faculty of Electrical Engineering of Slovak Higher School of Technology, Bratislava.

ACCESSION NR: AP4041978

Z/0055/64/014/007/0533/0554

AUTHOR: Krempasky, J.

TITLE: A new method for measuring thermal and thermoelectric characteristics of substances, particularly semiconductors, of undefined shape

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 14, no. 7, 1964,
533-554

TOPIC TAGS: thermal characteristic, thermoelectric characteristic, semiconductor, measurement, probe method, contact method

ABSTRACT: A new method, with several variations, for measuring the thermal and thermoelectric characteristics (thermal conductivity λ , coefficient of thermal diffusivity k , coefficient of thermoelectric force a , and figure of merit $Z = a^2\sigma/\lambda$, where σ is the electrical conductivity) of materials, especially semiconductors, is elaborated theoretically and experimentally. Measurements are made in an unstationary regime on sufficiently large samples (for example, liquids), but stationary methods are also possible. The following methods are

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ACCESSION NR: AP4041978

discussed in detail: a two-probe method (pulsed and stationary), a four-probe method originally used for measuring electrical conductivity, a circular contact method (pulsed and stationary), a linear wire contact method (pulsed and stationary), also use of linear contacts in an infinite medium, measuring with one contact, and use of wire contacts on cylindrical samples. Except for the last case, samples need not be of regular geometric shape. Experimental equipment used in the two- and four-probe methods is described and an evaluation of measurements is given by means of a comparative example. It was found that probe methods are most reliable for measuring thermal diffusivity and conduction of heat by probes was a factor in measuring other quantities. As a rule, measurements of the thermoelectric force depended little on the arrangement of contacts as errors caused by conduction, et cetera, partially cancelled out. If an optimal arrangement is chosen and all assumptions for the solution are satisfied, the accuracy of measurements is estimated as: for thermal diffusivity 2-4%, for the thermoelectric force, thermal conductivity, and figure of merit 4-10%. A special advantage of the proposed method is that its variations are rapid and if linear

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ACCESSION NR: AP4041978

wires are chosen as contacts, all the most important electrical, thermal, and thermoelectric characteristics of materials can be measured by the same arrangement even up to high temperatures, also in the liquid state after melting. In such arrangements, conduction of heat by convection or radiation has no influence on the measurements. Orig. art. has: 13 figures and 3 tables.

ASSOCIATION: Dept. of Physics, Slovak Technical University, Bratislava

SUBMITTED: 20Nov63

ENCL: 00

SUB CODE: EM, EC

NO REF SOV: 010

OTHER: 022

Ceed 3/3

I.30169-66 EWP(t)/ETI IJP(c) JD/JG
ACC NR: AP6020617

SOURCE CODE: CZ/0042/65/000/009/0559/0560

AUTHOR: Hlavnik, I.; Krempasky, L.; Polak, M.

O/G: none

TITLE: Superconducting magnet of the Electrical Engineering Institute, Slovak Academy of Sciences

SOURCE: Elektrotechnicky casopis, no. 9, 1965, 559-560

TOPIC TAGS: magnet, annealing, magnetic field, superconducting alloy, superconductivity

ABSTRACT: The article describes a newly developed superconducting magnet, the SM-1, of 50% Nb¹⁸ and 50% Zn, annealed two hours at 525°C, for use in investigating the behavior of superconductors in a magnetic field. The method and results of measurements are given, as well as the magnetization characteristic of the magnet. The authors thank M. Bir for help in the development of the magnet and for preparing the measurements. [JPRS]

SUB CODE: 09, 20 / SUBM DATE: none

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B

Card 1/1

L 39123-66 RPT(t)/EN IJP(c) JD
ACC NR: AP6030358

SOURCE CODE: CZ/0042/66/000/002/0081/0092

AUTHOR: Krempasky, Ludovit--Krempaskiy, L. (Engineer)

ORG: Electrical Engineering Institute, SAV, Bratislava (Elektrotechnicky ustav SAV)

TITLE: Calculation of the course of the intensity of the magnetic field in a pulse solenoid precooled by liquid nitrogen

SOURCE: Elektrotechnicky casopis, no. 2, 1966, 81-92

TOPIC TAGS: magnetic field intensity, solenoid

ABSTRACT: The article presents a derivation, on the basis of an appropriate approximation, of a relatively simple form for the time-dependence equation of the current flowing through the solenoid after its connection to the voltage, and by that means also of the time dependence of the intensity of the magnetic field at the geometric center of the solenoid, which is precooled by liquid nitrogen. Then the pulse form can be calculated and the maximum of the field intensity can be determined by a numerical method. In conclusion, the calculated course and the experimental one are compared. This paper was presented by L. Kneppo. Orig. art. has: 5 figures and 31 formulas. [Based on author's Eng. abst.] [JPRS: 36,644]

SUB CODE: 20, 09 / SUBM DATE: 15Jun65 / SOV REF: 001 / OTH REF: 001

MW
Card 1/1

0978 1081

KREMPELS, Tibor

Reservoir on the Rakaca Brook. Magy ep ipar 10 no.6:275-277 '61.

KREMPELS, Tibor, okleveles mernok

Rock-fill dams. Melyepitestud szemle 14 no. 2:49-57 F '64.

1. Orszagos Vizugyi Foigazgatosag.

KREMPELS, Tibor

The Lazberc Reservoir. Hidrologiai kozlony 41 no.3:255 Je '61.

KREMPOL'SKIY, V.F.; ZHUDRO, A.N., red.; SHLENSKIY, I.A., tekhn. red.

[Handbook on cartography for workers of map printing plants] Pamatka po kartografii dlja rabochego kartograficheskoi fabriki, Izd.2., ispr. i dop. Moskva, Geodezizdat, 1949. 93 p.

(Cartography) (MIRA 14:8)

TRANSLATE BY V. F.

14-57-7-14279

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 12 (USSR)

AUTHOR: Krempol'skiy, V. F.

TITLE: Printing and Binding the World Atlas (Pechat' i
pereplet Atlasa mira)

PERIODICAL: Sb. statey po kartogr., 1956, Nr 9, p 23-28

ABSTRACT: The World Atlas is different from other comparable atlases because supplementary maps in many colors have been printed on the back of each page. The USSR has pioneered in producing these hard-to-print atlases. After a study of all available printing systems, the "deep offset" method was selected for the use on all the graphic elements of the Atlas, and two double-paged maps were printed on each sheet. In comparison with the method used to produce the Great Soviet World Atlas and the Marine Atlas, the present technique has made it possible to save twice as much time and money in

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14-57-7-14279

Printing and Binding the World Atlas (Cont.)

preparing the pages for printing, and to make the back edge of the paper even, which is essential for binding purposes. A different process had to be employed for binding the book. This pamphlet describes the experience gained by the NRKCh and the Minsk and Riga cartographic plants, which were engaged in producing the Atlas.

Card 2/2

KREMPOL'SKIY, V. F.

AUTHORS: Krempol'skiy, V.F., Mekler, M.M. 6-58-4-11/16

TITLE: On the Experience Gathered in Connection With Cartographical Work (Ob osveshchenii opyta rabot po sozdaniyu kartograficheskikh proizvedeniy)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 4, pp. 59-60 (USSR)

ABSTRACT: It is pointed out that the many years' experience gathered by a Collective of Cartographers is not made accessible to younger specialists. In connection with the production of new geographical maps the experience gathered on the occasion of the production of maps produced at earlier periods is not taken into account at all. Therefore, the suggestion made by D.A.Larin in 1949 for the elaboration of scientific technical reports on cartographical work is recommended and described as being of great importance. At present such reports are not even available for such important works as a World-Atlas. It is advisable to begin compiling such reports as soon as cartographical work begins. There is one Soviet reference.

AVAILABLE: Library of Congress
Card 1/1

1. Cartography--Study and teaching

KREMPOL'SKIY, Viktor Fedorovich; TSVETKOV, M.A., doktor sel'skokhoz.nauk,
red.; KOMAR'KOVA, L.M., red.izd-va; ROMANOVA, V.V., tekhn.red.

[History of the development of cartography in Russia and the
U.S.S.R.] Istorija razvitiia kartoizdaniia v Rossii i v SSSR.
Moskva, Izd-vo geodez.lit-ry, 1959. 109 p. (MIRA 12:8)
(Cartography)

3(2)
AUTHOR:

Krompol'skiy, V. F.

SOV/6-59-3-14/16

TITLE: Atlas of the Belorusskaya SSR - A New Great Cartographic Work
(Atlas BSSR - novoye krupnoye kartograficheskoye proizvedeniye)

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 3, pp 74-76 (USSR)

ABSTRACT: This atlas was published in 1958 by the AS Belorusskaya SSR and GUGK MVD SSSR (Central Administration of Geodesy and Cartography at the Ministry of Internal Affairs, USSR). This is the first complete atlas representing the nature, population, economy, culture, history, and political administration of a Republic of the Union. It is bilingual - Russian and Belorussian. The format is 18 by 27 cm. It was prepared in one and a half years by the cartographers of the Minskaya kartograficheskaya fabrika (Minsk Cartographic Institute) in co-operation with the Belorussian scientists. The editorial board was formed as follows: Chairman and Chief Editor was the Chairman of the Gosplan Belorusskaya SSR, S. N. Malinin; Members were: Vice President of the AS Belorusskaya SSR, K. I. Lukashev, President of the Academy of Agricultural Sciences of the Belorusskaya SSR, I. S. Lupinovich, Academician P. P. Rogovoy, Candidate of Sciences A. N. Avksent'yev, Director of the Minskaya kartogra-

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Atlas of the Belorusskaya SSR - A New Great
Cartographic Work

SOV/6-59-3-14/16

ficheskaya fabrika (Minsk Cartographic Institute) V. V. Urusov. The Editors responsible for the Special Map Sections were: A. N. Avksent'yev, I. M. Il'yushin, I. S. Kravchenko, V. F. Kuprevich, K. I. Lukashev, I. S. Lupinovich, S. N. Malinin, P. P. Rogovoy, V. V. Urusov. Editing Cartographers were: T. Z. Birzgul, G. I. Gulyuk, A. O. Levshinov, M. S. Rutkovskaya, A. S. Svirskiy. The statistical data for 1957 are provisional. Data of cattle breeding are referred to October 1, 1955. The political administration is represented at the state of August 1, 1958. The maps of the entire republic are on scales of 1 : 2,500,000, 1 : 4,000,000, and 1 : 5,000,000; some climatic maps are on a scale of 1 : 8,000,000; administration maps of individual territories are on 1 : 1,000,000 and physical-economical maps on 1 : 1,500,000. There are three maps for every single region: an administrative, a physical, and an economical map. The last section of the atlas is the historical atlas consisting of 9 maps, 5 of which cover the period from the 9th to the 19th and 4 the 20th century.

Card 2/2

KREMPOL'SKIY, Viktor Fedorovich; EDEL'SITEYN, A.V., red.;
KOMARIKOVA, L.M., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Instruction on cartography for workers of cartographic
plants] Famiatka po kartografiia dlja rabochego kartograficheskogo
fabriki. Izd.3., ispr. i dop. Moskva, Izd-vo geodez.lit-ry,
1961. 108 p. (Cartography)

KREMPOL'SKIY, V.F.

Improve the binding of stable atlases. Geod. i kart. no.7:62
Jl '61. (MIRA 14:7)
(Atlases, Russian)

TARANOV, V.G.; KREMPOL'SKIY, V.F.

Progress of socialist competition in honor of the 22d
Congress of the CPSU in the Scientific-Editorial Map-making
Section. Geog. i kart. no.9:48-49 S '61. (MIRA 14:9)
(Cartography)

KUCHBORSKAYA, Ye.P.; KREMPOL'SKIY, V.F.

Atlas of the history of the U.S.S.R. containing information on recent
and modern history. Geod. i kart. no.6:50-55 Je '63. (MIRA 16:9)
(Geography, Historical--Maps)

KREMPOL'SKIY, Viktor Fedorovich; MEKLEN, Morits, Maksovich;
GINZBURG, Georgiy Aleksandrovich; KOMKOV, A.M., retsenzent;
EDEL'SHTEYN, A.V., red.; BRAZHNICKOV, V.I., red.izd-va;
ROMANOVA, V.V., tekhn. red.

[The cartographer's manual] Spravochnik kartografa. Moskva,
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SOLDATOV, S.N.; KREMPOL'SKIY, V.F.

Speeding up the compiling of maps and atlases. Geod. i kart. no.9:
50-52 S '63. (MIRA 16:10)

KREMR, M.

"Heating and air-conditioning equipment of electric-power stations should be improved."

Energetika. Praha, Czechoslovakia. Vol. 8, no. 12, Dec. 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

KREMR, Milan; HRABOVSKY, Vaclav

Present results and experience with sole leather tanning by the
SD method. Kozarstvi 12 no.12:355-356 D '62.

1. Vyzkumný učstav kozádelský, Gottwaldov.

SOCHA, Josef; BASNAK, Vlastimil; SLAMA, Josef; BURIANEK, Ludevit; KREMR,
Milan; HRABOVSKY, Vaclav; MICHAEL, Radil, inz.; ONDRACEK, Jaroslav;
PEKTOR, Vladimir, inz.

Conference of the Czechoslovak Scientific Technical Society on the
present conditions and outlook for development of the tanning
industry. Kozarstvi 12 no.12:371-373 D '62.

1. N.p. Svit, Otrokovice (for Socha, Basnak). 2. N.p. Svit,
Gottwaldov (for Slama). 3. N.p. Kozeluzne, Bosany (for Burianek).
4. Vyzkumny ustav kozedelny, Otrokovice (for Kremer, Hrabovsky,
Michael, Ondracek and Pektor).

KREMR, Milan; HRABOVSKY, Vaclav

Use of sulfite waste liquor in the leather industry. Kozarstvi
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1. Vyzkumny ustav kozedelny, Gottwaldov.

KREMR, Mileny, GRABOVSKI, Vatslav [Grabovsky, V.]

New method developed in Czechoslovakia for tanning stiff leather without
the use of vegetable tanning agents. Kozh.-obuv.prom. 5 no.3:38-39
Mr '63. (MIRA 16:3)

1. Nauchno-issledovatel'skiy institut kozhevenno-obuvnoy promyshlennosti
Chekoslovatskoy Sotsialisticheskoy Respubliki.
(Czechoslovakia—Tanning)

HRABOVSKY, Vaclav; KREMR, Milan

Surface yield of sole leather tanned by the SD method. Kozarstvi
13 no.3:78-79 Mr '63.

1. Vyzkumny ustav kozedelny, Gottwaldov, kozeluzsky vyzkuma
Otrokovice.

KREMR, Milan; HRABOVSKY, Vaclav

Waste sulfite liquor in tanneries. Vodni hosp 13 no.3:88 '63.

1. Vyzkumny ustav kozedelny, Gottwaldov.

RRKMS, A.M.

RONOV, A.B.

1(1) 13
AUTHOR: Becker, A. A. 807/1-50-6-14/16
TITLE: Chronicle - All Union Conference on Geochemical and Radiometric Methods of Search and Prospecting for Oil and Natural Gas Deposits (Khronika - Vsesoyuznyy soveshchaniye po gеoхimicheskim i radiometricheskim metodam pоiskov i razvedki naftoplynnykh i gеosvergnykh mestorozhdenii) 1
PERIODICALS: Geokhimiya, 1958, No 4, pp 6'0 - 611 (USSR)
ABSTRACT: The conference took place in Moscow from April 21 to April 25, 1958 at a proposal of the Geokhimiya in the AS USSR. 68 organizations were represented by about 240 members of the AS USSR, its branches, the Academies of the Republics of the Union, of a number of high schools, of single institutes and prospecting organizations of the Ministerstvo geologii i ekspriyatr. (Ministry of Geology and Protection of Natural Resources), of the Gosplan SSSR and RSPBN, of the Gospromtorg, ravnoznamenskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers of the USSR), of Councils of National Economy and other organizations. Other active participants were scientists from the German Democratic

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Bekchanin spoke about the movement of deep subterranean waters. A. B. Ronov reported on investigation results dealing with the distribution of organic carbon in the sedimentary rocks of the Russian Platform. Methods and techniques were the subject of the following reports: G. A. Negilevsky - The present stage of the problem of analysis of gas bacteria and a suitable method for its solution; Ye. A. Kere - hydrochemical investigations in prospecting for oil and natural gas; V. A. Koval' and P. S. Glavin - soil geochemical features for the yield of oil and natural gas to be expected; V. S. Pirogovskaya - a luminescence-bituminological method for the investigation and prospecting of natural gas and petroleum deposits; V. A. Sokolov - geoanalytical methods and equipment and ways to complete them; and others. The use of geochemical methods in various regions of the USSR was also treated. Tiraspol-Pocherzhskaya gasfield (Ye. N. Kravets, G. S. Byliger'yev, A. S. Medvedev); Saratovskaya Pervomayskaya (Ye. M. Geller), Starogel'ye

Card 3/4

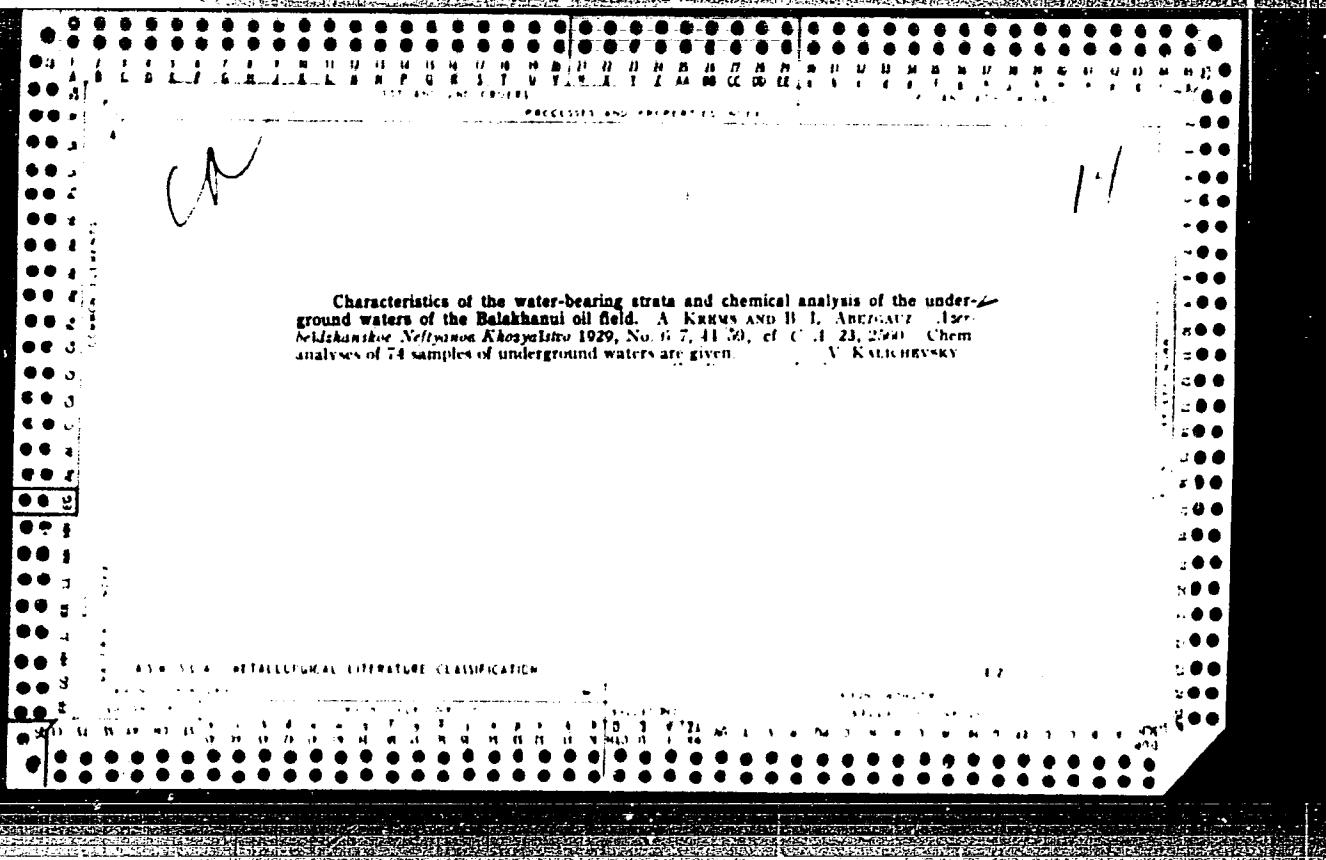
KREMS, A.N.

More about the methods of oil and gas prospecting in the Timan-Pechora oil- and gas-bearing province. Geol. nefti i gaza 5 no. 3:63-64 Mr '61. (MIRA 14:4)
(Timan Ridge—Petroleum geology)
(Pechora Valley—Gas, Natural—Geology)

BELYKH, D.P., kand. ist. nauk; VALYULIS, I.A.; GOTSKIY, M.V., kapitan dal'nego plavaniya [deceased]; D'YACHUK, I.L., kapitan dal'nego plavaniya; KALMYKOV, F.A., kapitan dal'nego plavaniya; KREMS, A.K., kapitan dal'nego plavaniya; KOLOTOV, N.A., dots.; PETRENKO, S.A.; RASKATOV, A.S.; FISHER, Ye.L.; DVORNAYK, B.M., otv. red.; LEVITSKIY, V.L., red.; LYUTIKOV, V.K.; MALAKHOV, N.N., red.; POL', P.A., red.; RASKATOV, A.S., red.; CHICHIVARKHIN, V.S., red.; RADOSTIN, V.A., red.; LAVRENOVA, N.B., tekhn. red.

[History of Far Eastern Steamship Lines] Iistoriia dal'nevostochnogo parokhodstva; ocherki. Moskva, Izd-vo "Morskoi transport," 1962. 263 p. (MIRAI5:11)

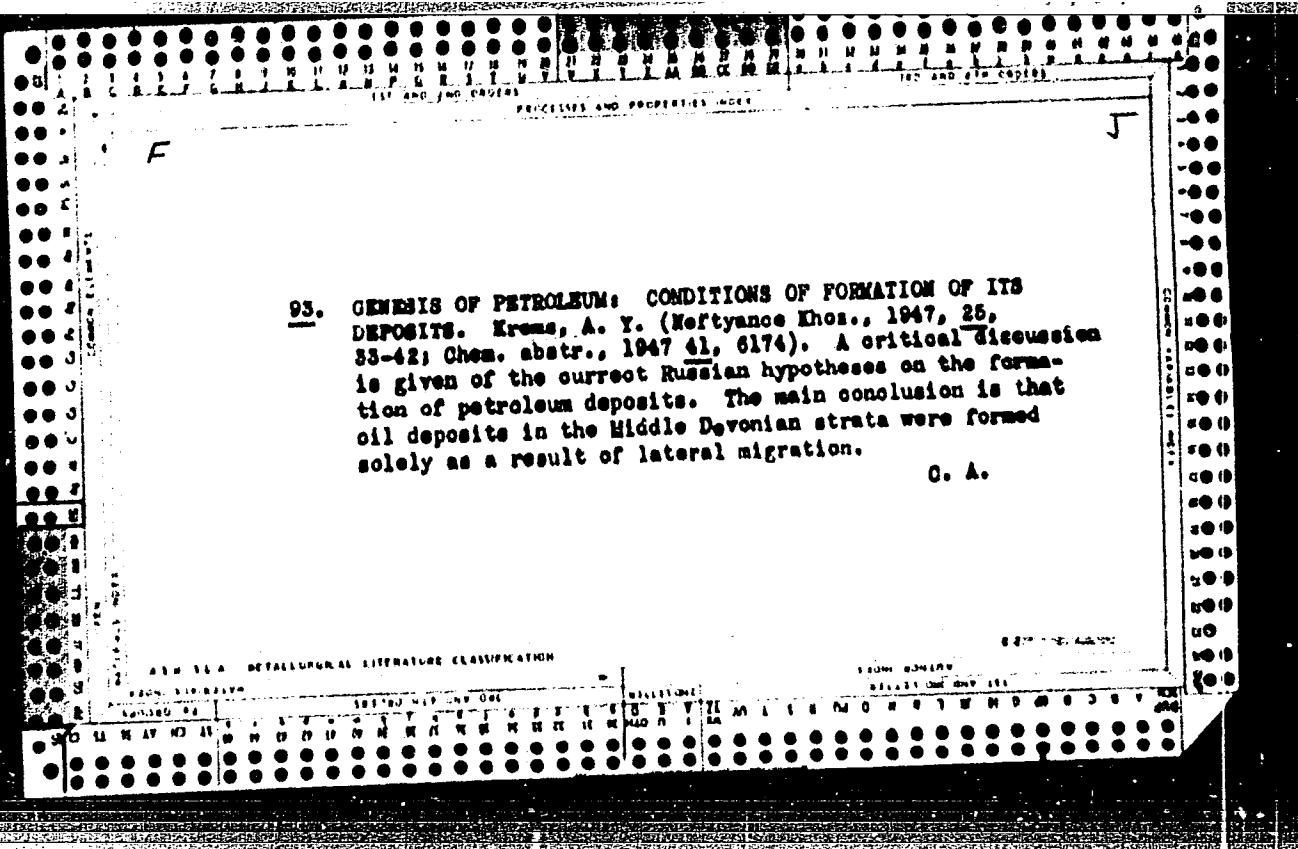
(Soviet Far East--Merchant marine)



and G. A. Yu., 1971. DRAFT REPORT DR. GEORGE YU & TAN, J.S.

Dissertation: "Geographical Basis for exploitation of oil fields by China." Defense Order of the Higher Education Ministry, Inst., Israel Attachement L. M. USSR
27 May 47.

30: Zelaznytsia village, Nov 1, 1977 (Protocol #117-6)



KREMS, A. Ya.

"Average Composition of Crude Oils at Various Oil Fields in the USSR," a table taken from the "Formation of Oil ~~Reservoirs~~ and Gas Deposits," Gosgeotekhizdat, Moscow-Leningrad, 1954

Translation of Table No.7 - D 257604, 24 Jun 55

KREMS, A Ya., Laureat Stalinskoy premii; doctor geologo-mineralogicheskikh
nauk; MINCHINK, M.F., redaktor; MURATOVA, V.M., redaktor; POLOSIMA,
A.S., tekhnicheskiy redaktor

[The formation of petroleum and gas deposits] Voprosy formirovaniia
zalezhei nefti i gaza. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi
i gorno-toplivnoi lit-ry, 1954. 258 p. (MLRA 7:8)
(Petroleum geology) (Gas, Natural)

ZAKS, S.L.: KHEMS, A.Ya., redaktor; MURATOVA, V.M., redaktor; POLO-SINA, A.S., tekhnicheskiy redaktor.

[Principles of mining and of mine extraction of oil] Osnovy gornogo dela i shakhtnoi dobychi nefti. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplibnoi lit-ry, 1954. 357 p.
(Mining engineering) (Petroleum engineering) (MIRA 7:8)

KREMS, A.Ye., ZDOROV, S.F., BONDARENKO, S.M, ADAMOV, A.I.

Shaft Development of Petroleum Deposits. Gostoptekhizdat. 1955, 272 p, price: rubles 10.90. In book are explained the fundamentals of petroleum-shaft geology, methods of shaft development of oil deposits, geological principles of planning petroleum-shaft development, drilling underground wells, and methods of exploiting wells in a petroleum shaft and ways of underground transportation of wells (?). Book is intended for geologists and engineer-technicians.

So: A- 3080689

KREIS, A.Ya; ZDOROV, S.F.; BONDARENKO, S.M.; ADAMOV, A.I.; ZOTKIN, M.M.
redaktor; SHMELEV, A.A., redaktor; POLOSIUK, A.S., tekhnicheskiy
redaktor.

[Oil mining] Shakhtnaya razrabotka neftianykh mestorozhdenii. Pod
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KREMS, A.Ya., doktor geologo-mineralogicheskikh nauk, zasluzhennyy deyatel' nauchni i tekhniki RSRFSR i Komi ASSR; KALININ, P.D., red.; KODANEV, P.A., tekhn.red.

[Prospects for the development of the petroleum and gas industries in the Komi A.S.S.R.; based on new data from geological prospecting]
Perspektivy neftianoi i gazovoi promyshlennosti Komi ASSR; v svete novykh dannykh geologorazvedochnykh rabot. Syktyvkar, Komi knishnoe izd-vo, 1957. 31 p.

(Komi A.S.S.R.--Petroleum industry)
(Komi A.S.S.R.--Gas, Natural)

(MIRA 11:2)

APEL'TSYN, I.E., doktor tekhn.nauk; BARS, Ye.A., kand.geol.-min.nauk;
BORISOV, Yu.P., kand.tekhn.nauk; VELIKOVSKIY, A.S., prof.; VYSOTSKIY,
I.V., kand.geol.min.nauk; GOVOROVA, G.L., dots.; DAKHNOV, V.N., prof.
ZHDANOV, M.A., prof.; ZHUKOV, A.I., dots.; KOTYAKHOV, F.I., prof.;
KREMS, A.Ya., doktor geol.-min.nauk; MURAV'YEV, I.M., prof.;
MUSHIN, A.Z., inzh.; NAMIOT, A.Kh., kand.tekhn.nauk; KHODANOVICH,
I.Ye., kand.tekhn.nauk; KHLYSTOV, V.T., inzh.; CHERNOV, B.G., kand.
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POLOSINA, A.S., tekhn.red.

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Pod obshchey red. I.M.Murav'yeva. Moskva, Gos. snuchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry. Vol. 1. 1958. 540 p. (MIRA 11:4)
(Petroleum industry)

Distr: 4E3d

Deposits at Dzhebolsk in the Azerbaijani S.S.R.
A. V. Korm, S. P. Zdrov, and A. V. Ivanov. *Geol. Nefti*
No. 1, p. 63 (1958).—This region, where petroleum was
discovered in April, 1956, forms part of the Volga-Ural
petroleum deposit. Analyses are presented for the gases
from various depths, for CO₂, CH₄, C₂H₆, C₃H₈, C₄H₁₀, N +
trace gases. Werner Jacobson

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9/11

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Principal characteristics of geological structure of the Timan-Pechora area and prospects for exploring its rich gas and oil pools.
Geol.nefti 2 no.10:1-8 O '58. (MIRA 11:11)
(Timan Ridge--Gas, Natural--Geology) (Timan Ridge--Petroleum geology)
(Pechora Valley--Gas, Natural--Geology)
(Pechora Valley --Petroleum geology)

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Kremg, A.YA., G.G. Grigor'yev and A.S. Medvedev "The experimental application of geochemical methods of prospecting on the territory of the province of Timano-Pechorsk which is rich in mineral oil and natural gas"

report presented at a Conference in the Dept. of Geological and Geographical Sci., on Geochemical and Radiometrical Methods of Search and Prospecting for Deposits, 21-26 April 1958.
(Vest. Ak Nauk SSSR, 1958, No. 7, pp. 125-26)

KREMS, Andrey Yakovlevich, doktor geologo-mineral.nauk; MIRCHINK, M.F.,
red.; SHOROKHOVA, L.I., vedushchiy red.; GANINA, L.V., tekhn.red.

[Prospecting for oil and gas pools: theoretical and practical
principles] Poiski i razvedka zalezhei nefti i gaza; teoreticheskie
i prakticheskie osnovy. Pod red. M.F.Mirchinka. Moskva, Gos.nauchno-
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(MIRA 12:11)

1. Chlen-korrespondent AN SSSR (for Mirchink).
(Petroleum geology) (Gas, Natural--Geology)

KREMS, A.Ya.

Some comments on V.A. Kaliuzhniy's article "Genesis of oil and
gas in the Timan-Pechora oil - and gas-bearing province."
Sov. geol. 3 no. 11:157-159 N '60. (MIRA 13:12)

1. Ukhtinskiy kombinat Komi sovnarkhoza.
(Pechora Valley--Gas, Natural--Geology)
(Pechora Valley--Petroleum geology)
(Timan Ridge--Gas, Natural--Geology)
(Timan Ridge--Petroleum geology)

KREMS, A.Ya.

Prospects for increasing producible oil and gas reserves in the
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(Timan-Pechora region--Petroleum geology)
(Timan-Pechora region--Gas, Natural--Geology)

KREMS, A.Ya.; MAMEDOV, Sh.N.; MIRZOYEV, R.Kh.

Concerning the expansion in the use of underground (mining) and
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SSR Ser.geol.-geog.nauk nefti no.1:51-61 '62. (MIRA 15:5)
(Azerbaijan--Petroleum mining)

KREMS, A.Ya.; CHERNYAVSKIY, G.V.

Geology, and oil and gas potentials of the northern part of the
margin of the cis-Ural trough. Geol.nefti i gaza 7 no.2:8-14 F '63.
(MIRA 16:2)

1. Ukhtinskoye geologicheskoye upravleniye.
(Ural Mountain region—Petroleum geology)
(Ural Mountain region—Gas, Natural—Geology)

KREMS, A.Ya. (Ukhta)

Petroleum in the Ukhta region and the first petroleum refinery.
Izv.vys.ucheb.zav.; neft' i gaz 6 no.9:92,96,106,110 '63.
(MIRA 17:2)

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Geological conditions and geophysical operations in the Timan-Pechora area in preparing structures for oil and gas prospecting drilling. Neftegaz, geol. i geofiz. no.4*52-57 '63
(MIRA 17:7)

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KREML', Andrey Yakovlevich; ABRAMOVICH, M.V., nauchn. red.; RAGINA,
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[History of Soviet oil and gas geology; historical sketches
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1964. 378 p. (MIRA 17:7)

KREMS, A.Ya.

From the history of the development of the oil and gas industry in
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1. Ukhtinskoye territorial'noye geologicheskoye upravleniye.

KREMS, A.Ya.; MATVIYEVSKAYA, N.D.; MODELEVSKIY, M.Sh.

Recent data on the structure and oil and gas potential of the
Timan-Pechora area. Geol. nefti i gaza 8 no.11:1-7 N '64.
(MIRA 17:12)
1. Ukhtinskoye territorial'noye geologicheskoye upravleniye.

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YUDIN, Ye.Ya.

Ukhta petroleum. Neft. khoz. 42 no.9/10;80-84 S.O '64.
(MERA 17/12)

KREMLIN LIBRARY

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Lav. vys. ucheb. zav.; neft' i gaz 7 no.9;76 p. 82 '64.

(MERA 17x12)

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(MIRA 18:4)

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Development of the Devonian pool in the Sultangulovo field of
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Further development of general automatic control in oil and gas production. Neft.khoz. 39 no.1:28-34 1 Ja '61. (MIRA 17:3)

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(Automation) (Oil fields--Equipment and supplies)

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KREMS, N.K., red.; MATSKIN, L.A., red.; SAAKOV, M.A., red.;
SILANT'YEV, I.A., red.; KAYESHKOVA, S.M., ved. red.;
STAROSTINA, L.D., tekhn. red.

[Creative activity of inventors and efficiency promoters in
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(Petroleum industry—Technological innovations)

KREMS, Ye.A.

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40 Ap '56. (MLRA 10:1)

(Bashkiria-Gas, Natural)
(Tatar A.S.S.R.--Gas, Natural)

KREIS, Ya. A., redaktor; POPOV, V. I., redaktor; KOMISSAROV, P. G., redaktor;
BOVIKOVA, M. M., vedushchiy redaktor; MUKHINA, N. A., tekhnicheskiy
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[Extraction, separation of light benzine fractions and transportation
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otbenzinivanie i transport neftianogo gaza; materialy nauchno-tehnicheskoi
konferentsii. Moskva, Gos. nauchno-tekhnik. izd-vo neft.i gornoplivnoi lit-ry, 1957. 170 p.
(MLA 10:10)

1. Nauchno-tehnicheskoye obshchestvo neftyanoy promyshlennosti. 2.
Predsedatel' gazovoy sektsii TSentral'nogo pravleniya Nauchno-
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increases in the production of synthetic rubber, alcohol, detergents, etc.,
for which more ethylene, propylene and butylene will be required. A conference
held by a committee of the Academy of Sciences in this subject is summarized.
Measures suggested for expanding production include: thermal cracking of heavy
petroleum products by contact with a moving bed of hot coke particles; thermal
treatment of natural gasoline giving an 8% yield of gas with a 25% ethylene
content; pyrolysis of heavy residues in the presence of steam at 850°C to
produce gas containing 40% ethylene; and pyrolysis of butane to ethylene.
The committee is to collect information on the composition of petroleum gases
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Title : Corn Diploidia Disease and Its Control Methods (in the USA) A Survey.

Orig Pub : Sb. in. s.-kh. inform., 1957, No 6, 9-15.

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